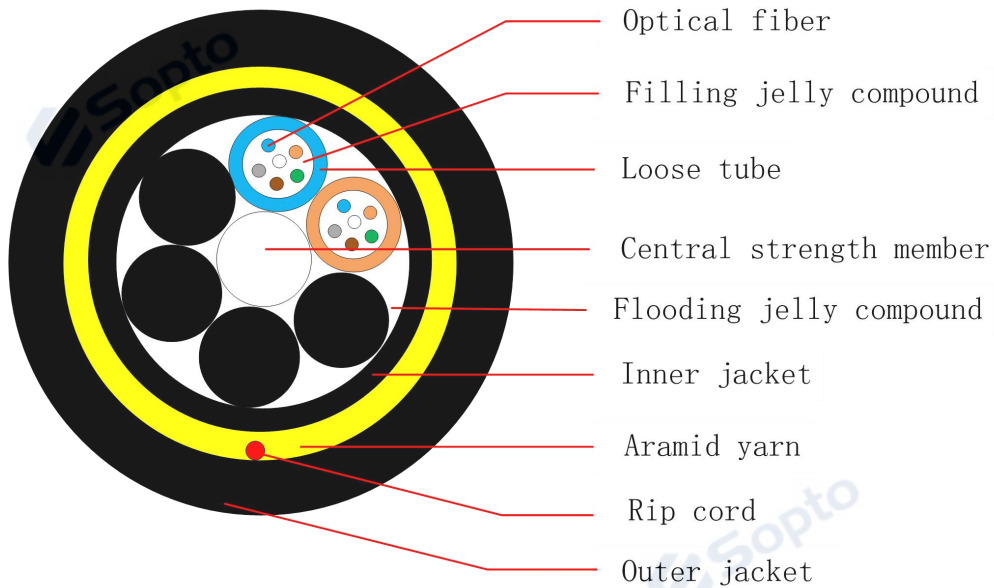


ADSS

Cross Section of Cable



Optical Fiber Type and Properties

Item	Unit	Specification
Fiber Type		G.652
Mode field diameter	1310nm	μm 9.2 ± 0.4
	1550nm	μm 10.4 ± 0.8
Cladding diameter		μm 125.0 ± 1
Cladding non-circularity		% ≤ 1.0
Core/cladding concentricity error		μm ≤ 0.5
Coating diameter		μm 242 ± 7
Coating/cladding concentricity error		μm ≤ 12
Cable cut-off wavelength		nm ≤ 1260
Attenuation Coefficient	1310nm	dB/km ≤ 0.36

	1550nm	dB/km	≤0.22
Proof stress level		kpsi	≥100

Note: Other parameters meet standard ITU-T G.652

Dimensions of Cable Constructions

Fiber count	Structure	Fibers per tube	Loose tube diameter (mm)	CSM diameter /pad diameter (mm)	Thickness of inner jacket (mm)	Thickness of outer jacket (mm)	Cable diameter (mm)	Cable Weight (kg/km)
12	1+6	6	2.2±0.1	2.4/2.4	1.0±0.1	1.7±0.1	12.4±0.5	125
24	1+6	6	2.2±0.1	2.4/2.4	1.0±0.1	1.7±0.1	12.3±0.5	126
48	1+6	12	2.5±0.1	2.6/2.6	1.0±0.1	1.7±0.1	13.2±0.5	143

Cable Performance

Item		Parameters
Loose tube	Material	PBT
	Color	Full color spectrum
Filler	Material	PE
	Color	Black
CSM	Material	FRP
Inner jacket	Material	MDPE
	Color	Black
Non-metal reinforced pieces	Material	Aramid yarn
Outer jacket	Material	MDPE
	Color	Black
Min. bending radius	Static	10 times cable diameter
	Dynamic	20 times cable diameter

Repeating bending	Load: 150N; number of cycles: 30, no obvious addition attention, no fiber break and no cable damage.			
Tensile performance	Core	RTS (N)	MAT (N)	EDS (N)
	12	6600	3000	1600
	24	6600	3000	1600
	48	7100	3200	1800
Crush	Short term	3000N/100mm		
Torsion	Load: 150N; number of cycles:10; twist angle: $\pm 180^\circ$ No obvious addition attention, no fiber break and no cable damage.			
Impact	Impact energy: 450g*1m; radius of hammer head: 12.5mm; number of impact: 5 No obvious addition attention, no fiber break and no cable damage.			

Working Condition

Item	Standard	Parameters
Operation temperature	IEC 60794-1-2 F1	-20°C ~ +60°C
Water penetration	IEC 60794-1-2-F5	Water level: 1m ,sample: 3m, After 24h, no water ingress.

Drum

Cable type	Drum			Length(km)
	Height (mm)	Width (mm)	Inner diameter (mm)	
ADSS-12B1	950mm	760mm	400mm	2
ADSS-24B1	950mm	760mm	400mm	2
ADSS-48B1	1000mm	760mm	400mm	2

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